



Sequence listing.ST25
SEQUENCE LISTING

<110> Peltz, Stuart W.
Dinman, Jonathan D.
Cui, Ying

<120> A method for modulating the activity of a peptidyl transferase
center

<130> 1368-10 DIV

<140> 09/625,790
<141> 2000-07-26

<150> 08/724,992
<151> 1996-10-04

<150> 60/005,041
<151> 1995-10-06

<160> 15

<170> PatentIn version 3.2

<210> 1
<211> 112
<212> PRT
<213> Homo sapiens

<400> 1

Met Ser Ala Ile Gln Asn Leu His Ser Phe Asp Pro Phe Ala Asp Ala
1 5 10 15

Ser Lys Gly Asp Asp Leu Leu Pro Ala Gly Thr Glu Asp Tyr Ile His
20 25 30

Ile Arg Ile Gln Gln Arg Asn Gly Arg Lys Thr Leu Thr Thr Val Gln
35 40 45

Gly Ile Ala Asp Asp Tyr Asp Lys Lys Lys Leu Val Lys Ala Phe Lys
50 55 60

Lys Lys Phe Ala Cys Asn Gly Thr Val Ile Glu His Pro Glu Tyr Gly
65 70 75 80

Glu Val Ile Gln Leu Gln Gly Asp Gln Arg Lys Asn Ile Cys Gln Phe
85 90 95

Leu Val Glu Ile Gly Leu Ala Lys Asp Asp Gln Leu Lys Val His Gly
100 105 110

<210> 2
<211> 110
<212> PRT
<213> Aedes aegyptius

Sequence listing.ST25

<400> 2

Met Ser Ile Gln Asn Leu Asn Thr Phe Asp Pro Phe Ala Asp Ala Ile
1 5 10 15

Lys Gly Ala Asp Tyr Asp Val Gln Asp Gly Leu Val His Ile Arg Ile
20 25 30

Gln Gln Arg Asn Gly Arg Lys Thr Leu Thr Thr Val Gln Gly Leu Ser
35 40 45

Ala Glu Tyr Asp Leu Lys Lys Ile Val Arg Ala Cys Lys Lys Glu Phe
50 55 60

Ala Cys Asn Gly Thr Val Ile Glu His Pro Glu Tyr Gly Glu Val Leu
65 70 75 80

Gln Leu Gln Gly Asp Gln Arg Glu Asn Ile Cys Gln Trp Leu Thr Lys
85 90 95

Ser Gly Leu Ala Lys Pro Glu Gln Leu Lys Val His Gly Phe
100 105 110

<210> 3

<211> 116

<212> PRT

<213> Oryza sativa

<400> 3

Met Ser Asp Leu Asp Ile Gln Ile Pro Thr Ala Phe Asp Pro Phe Ala
1 5 10 15

Glu Ala Asn Ala Gly Asp Ser Gly Ala Ala Ala Gly Ser Lys Asp Tyr
20 25 30

Val His Val Arg Ile Gln Gln Arg Asn Gly Arg Lys Ser Leu Thr Thr
35 40 45

Val Gln Gly Leu Lys Lys Glu Phe Ser Tyr Asn Lys Ile Leu Lys Val
50 55 60

Leu Lys Lys Glu Phe Cys Cys Asn Gly Thr Val Val Gln Asp Pro Glu
65 70 75 80

Leu Gly Gln Val Ile Gln Leu Gln Gly Asp Gln Arg Lys Asn Val Ser
85 90 95

Asn Phe Leu Val Gln Ala Gly Thr Val Lys Lys Glu His Ile Lys Ile
Page 2

Sequence listing.ST25
105 110

100

His Gly Phe Ser
115

<210> 4
<211> 108
<212> PRT
<213> *Saccharomyces cerevisiae*
<400> 4

Met Ser Ile Glu Asn Leu Lys Ser Phe Asp Pro Phe Ala Asp Thr Gly
1 5 10 15

Asp Asp Glu Thr Ala Thr Ser Asn Tyr Ile His Ile Arg Ile Gln Gln
20 25 30

Arg Asn Gly Arg Lys Thr Leu Thr Thr Val Gln Gly Val Pro Glu Glu
35 40 45

Tyr Asp Leu Lys Arg Ile Leu Lys Val Leu Lys Lys Asp Phe Ala Cys
50 55 60

Asn Gly Asn Ile Val Lys Asp Pro Glu Met Gly Glu Ile Ile Gln Leu
65 70 75 80

Gln Gly Asp Gln Arg Ala Lys Val Cys Glu Phe Met Ile Ser Gln Leu
85 90 95

Gly Leu Gln Lys Lys Asn Ile Lys Ile His Gly Phe
100 105

<210> 5
<211> 102
<212> PRT
<213> *Methanogen* sp.
<400> 5

Met Pro Glu Ile Cys Pro Ile Cys Gly Leu Pro Lys Asp Leu Cys Val
1 5 10 15

Cys Glu Glu Ile Ala Lys Glu Glu Gln Lys Ile Lys Val Tyr Val Thr
20 25 30

Lys Arg Arg Phe Gly Lys Leu Met Thr Val Val Asp Gly Arg Asp Ala
35 40 45

Asp Leu Ile Asp Val Lys Asp Leu Ala Lys Lys Leu Lys Asp Ile Cys
50 55 60

Sequence listing.ST25

Ala Cys Gly Gly Thr Val Lys Lys Asp Ser Ile Glu Leu Gln Gly Asp
65 70 75 80

His Arg Lys Lys Ala Glu Glu Ile Leu Ile Lys Met Gly Phe Ser Lys
85 90 95

Asp Met Ile Asp Val Arg
100

<210> 6
<211> 10
<212> RNA
<213> Artificial sequence

<220>
<223> theoretical sequence used for illustration

<400> 6
ggguuuagga 10

<210> 7
<211> 42
<212> DNA
<213> Saccharomyces cerevisiae

<400> 7
aattcatgtg cgtattgtgg tatagattct gcaaagtgtg tc 42

<210> 8
<211> 21
<212> DNA
<213> Artificial sequence

<220>
<223> PCR primer

<400> 8
ccggaattca tgaacgggaa a 21

<210> 9
<211> 29
<212> DNA
<213> Artificial sequence

<220>
<223> PCR primer

<400> 9
gaccggccgt aacggacgtt gtaatacat 29

<210> 10
<211> 28
<212> DNA
<213> Artificial sequence

sequence listing.ST25

<220>
 <223> PCR primer
 <400> 10
 atccccgcgg gagttgaaag ttgccatc 28

<210> 11
 <211> 23
 <212> DNA
 <213> Artificial sequence

<220>
 <223> PCR primer
 <400> 11
 gacggatcca aagtatattg gac 23

<210> 12
 <211> 6
 <212> PRT
 <213> Saccharomyces cerevisiae

<400> 12
 Leu Gln Gly Asp Gln Arg
 1 5

<210> 13
 <211> 30
 <212> DNA
 <213> Artificial sequence

<220>
 <223> PCT primer
 <400> 13
 ataggatcct taaccggccg gacagtaata 30

<210> 14
 <211> 51
 <212> DNA
 <213> Artificial sequence

<220>
 <223> PCR primer
 <400> 14
 ataggatcct tgtcatcgtc gtccttgtag tctctcaaac ctcttggggt t 51

<210> 15
 <211> 9
 <212> RNA
 <213> Artificial sequence

<220>
 <223> theoretical sequence used for illustration

Sequence listing.ST25

<400> 15
cuuaggcca

9